INDEX TO THE INLAND PRINTER.

VOLUME XXXII.

FROM OCTOBER, 1903, TO MARCH, 1904.

C. PAGE

Colored inserts:
Captive, The ... 208
In the Arroyo ... 56
Off the coast ... 408
Royal Gorge, The, Colorado ... 368
Spinning a yarn ... 192
Tokimatsu ... 888

Composing-room:
Accuracy ... 265
Carries it in his head ... 265
Color-printing job press, A ... 892
Composing-room ... 265, 427, 578, 892
Following copy ... 428
Job composition ... 85, 236, 402, 553, 709, 860
Keeping special sorts ... 427
Lock-up for mortised cuts ... 578
Machine folding on broad thirty-two-page forms ... 266
More about general distribution ... 427
National foreman's association ... 265
Page cord at "40 cents a mile" ... 892
Penotype designs ... 89
Preparing of copy, The ... 427
Profanity minimizer, A ... 578
Proper placing of the job press, The ... 427
Review of specimens received .. 115, 266, 437, 594, 754, 907
Spacing of typewriter circulars ... 892
Suburban printing ... 265
Typewriter ribbon effect in circulars ... 892

Correspondence:
Advantage of system ... 549
Against any change ... 857
Australian's complaint, An ... 219
British printers improving ... 549
Commends the new plan ... 549
Correspondence ... 59, 219, 393, 549, 705, 856
Disagrees with Mr. Dewey ... 220
Employer-member again, The ... 393
Estimating while you wait ... 219
Everard Printing House, Bristol, England, The ... 221
Foremen's association needed ... 549
Historical type cases ... 705
Illegibility of text lettering, The ... 856
Labeling type cases ... 857
Labels on type cases ... 549
Laying the foundation ... 857
Legal "square" in California, The ... 549
Linotyper replies, A ... 707
Making type cases round-bottomed ... 549
No rule but the golden rule ... 707
One-sided fonts not wanted ... 219
Portfolio of specimens, The ... 856
Present method pleases him ... 708
Printing the proceedings of Congress ... 394
Protest, A ... 393
Question of arbitration, The ... 59
Recommends the job composition branch ... 856
Reply to the "box man's basis," A ... 705
Reversing the lines to aid the sight ... 708
Romans and Italics ... 708
Round-bottomed type cases ... 393
St. Louis idea, The ... 60
Stereotyping woodcuts ... 393
Successful though inexperienced ... 219
System and good workmanship ... 549
Typefounders' labels ... 856
Union printers' home, The ... 220
What application and study will do ... 707

E. PAGE

Editorial:
Advance in subscription rates ... 843
Apprenticeship question, The ... 209
Appropriate gifts ... 849
Boon for the ambitious printer, A ... 46
British and American printing ... 848
Business accuracy the key to success ... 46
Chapel and its chairman, The ... 206
Demand for competent printers ... 847
Drift in the labor movement, The ... 204
Editorial ... 43, 203, 377, 531, 687, 843
Employers' organizations ... 379
Financial ... 43, 203, 377, 531, 687, 843
Getting down to it ... 534
Goal of industrial peace, The ... 533
How to keep desirable employes ... 847
Incorporation of unions ... 534
Instruction in accuracy ... 206
Labor problem, The ... 210
Lowering prices ... 382
Manchester's technical school for printers ... 381
Miller case again, The ... 207
Moral influence of the machine ... 849
New I. T. U. laws ... 384
Newspaper capitalization ... 45
Oxidation of type ... 690
President Gompers on the militia ... 378
Question of technical education, The ... 532
Responsibility for spoilage ... 849
Rising standard, A ... 380
Russian idea, The ... 535
Shall it be done openly? ... 845
Shorter-work-day movement ... 385
Tempter and tempted ... 692
Too few competent workmen ... 46
Type and paper harmony ... 845
Typesetting machines in the G. P. O ... 689
Typographical union obligation, The ... 44
Wage question, The ... 383

Electrotyping and stereotyping:
Casting thin plates ... 734
Double-page advertisements ... 734
Electrotyping and stereotyping ... 102, 247, 400, 734, 883
Few queries, A ... 883
How heat affects type ... 883
Interesting contract, An ... 884
Matrices blister ... 734
Partridge's improved stereotype casting apparatus ... 247
Regarding depth of etching ... 734
Rolling machine paste ... 734
Shells fail to stick ... 734
Stereotyping ... 102, 250, 400
Streaky deposit ... 883
Up to the electrotyper ... 248

Engraving:
Alcohol in the developer ... 728
Arsenic, lenses and lead intensifier ... 552
Artist engraver, An ... 875
Blue enamel process, A ... 728
Brief answers to some queries ... 245
British Journal almanac, The ... 874
Cereographic engraving ... 245
Collodion emulsion for cold climates ... 245
Color-sensitive dry plates in half-tone ... 875
Combination line and half-tone ... 729
Cost of chemicals for processwork ... 728
Dragon's-blood ... 729
Editor of "Le Procede," The ... 84
Editor of the Process Review ... 551
Enamel for etching dies ... 395

Engraving — *Continued.* PAGE
Etching brass ... 245
Focusing three-color negatives ... 396
Fogged negatives ... 83
Gillots of Paris, The ... 84
Half-tone engraving as described in the twelfth census report ... 246
High art engraving and printing ... 550
Holder for half-tone screen and plate ... 395
Hydroquinone as an intensifier ... 874
Increasing use of color process plates ... 551
"Kahlbaum" mirror, The ... 875
Line etching on zinc ... 730
London school of photoengraving, A ... 874
Making photographic plates sensitive to red ... 395
Medium for retouching photographs for reproduction ... 551
New and old collodion ... 83
New wet collodion process, A ... 728
Opportunities for artists in New York ... 396
Organic wet plate developer ... 83
Parallax stereogram, The ... 246
Penrose's Pictorial Annual, 1903-1904 ... 730
Perchlorid of iron ... 84
Photoengravers' club, A ... 730
Photoengravers versus electrotypers ... 395
Photoengraving for a small newspaper ... 550
Photographers' copyright and the newspapers ... 552
Photographing on wood ... 395
Present status of the three-color patent litigation ... 246
Process engraving ... 83, 245, 394, 550, 728, 874
Processworker's clock, A ... 874
Quickest way to reverse negatives ... 551
Reversing negatives ... 394
Screen distance, size of stops, and exposure ... 246
Solution for blackening negatives, A ... 551
"Sweating" of the screen ... 396
Teaching engraving to convicts ... 84, 394
To make gelatin insoluble ... 83
Tri-color filters ... 874
Trouble with the silver bath ... 245
Violet rays injure eyesight ... 83
Wash-out engraving process, The ... 83
Wood engraver and the process plate, The ... 551

I.

Illustrations:
Agricultural dilettante, A ... 424
All coons look alike ... 201
Alpine hospice, An ... 392
Apprehension ... 523
Back to first principles ... 370
Belle of Manila, The ... 529
Blossoms ... 566
Boiling eggs ... 34
Boy with cub ... 547
Bridge of Spain, Manila ... 525
Brown compositype ... 261
Buffalo dance, The ... 548
Burned-wood posters ... 526
Chicago Typothetæ banquet ... 753
Chicken for dinner ... 199
Chief's headquarters, The ... 111
Christmas cake, A ... 432
Church's composing machine of 1822 ... 35
Church's typecaster of 1822 ... 35
City of Interlaken, Switzerland, The ... 536
Compositype bar machine ... 36

INDEX TO THE INLAND PRINTER.

VOLUME XXXII.

FROM OCTOBER, 1903, TO MARCH, 1904.

C. PAGE

Colored inserts:
Captive, The ... 208
In the Arroyo ... 56
Off the coast ... 408
Royal Gorge, The, Colorado ... 368
Spinning a yarn ... 192
Tokimatsu ... 888

Composing-room:
Accuracy ... 265
Carries it in his head ... 265
Color-printing job press, A ... 892
Composing-room ... 265, 427, 578, 892
Following copy ... 428
Job composition ... 85, 236, 402, 553, 709, 860
Keeping special sorts ... 427
Lock-up for mortised cuts ... 578
Machine folding on broad thirty-two-page forms ... 266
More about general distribution ... 427
National foreman's association ... 265
Page cord at "40 cents a mile" ... 892
Penotype designs ... 89
Preparing of copy, The ... 427
Profanity minimizer, A ... 578
Proper placing of the job press, The ... 427
Review of specimens received .. 115, 266, 437, 594, 754, 907
Spacing of typewriter circulars ... 892
Suburban printing ... 265
Typewriter ribbon effect in circulars ... 892

Correspondence:
Advantage of system ... 549
Against any change ... 857
Australian's complaint, An ... 219
British printers improving ... 549
Commends the new plan ... 549
Correspondence ... 59, 219, 393, 549, 705, 856
Disagrees with Mr. Dewey ... 220
Employer-member again, The ... 393
Estimating while you wait ... 219
Everard Printing House, Bristol, England, The ... 221
Foremen's association needed ... 549
Historical type cases ... 705
Illegibility of text lettering, The ... 856
Labeling type cases ... 857
Labels on type cases ... 549
Laying the foundation ... 857
Legal "square" in California, The ... 549
Linotyper replies, A ... 707
Making type cases round-bottomed ... 549
No rule but the golden rule ... 707
One-sided fonts not wanted ... 219
Portfolio of specimens, The ... 856
Present method pleases him ... 708
Printing the proceedings of Congress ... 394
Protest, A ... 393
Question of arbitration, The ... 59
Recommends the job composition branch ... 856
Reply to the "box man's basis," A ... 705
Reversing the lines to aid the sight ... 708
Romans and Italics ... 708
Round-bottomed type cases ... 393
St. Louis idea, The ... 60
Stereotyping woodcuts ... 393
Successful though inexperienced ... 219
System and good workmanship ... 549
Typefounders' labels ... 856
Union printers' home, The ... 220
What application and study will do ... 707

E. PAGE

Editorial:
Advance in subscription rates ... 843
Apprenticeship question, The ... 209
Appropriate gifts ... 849
Boon for the ambitious printer, A ... 46
British and American printing ... 848
Business accuracy the key to success ... 46
Chapel and its chairman, The ... 206
Demand for competent printers ... 847
Drift in the labor movement, The ... 204
Editorial ... 43, 203, 377, 531, 687, 843
Employers' organizations ... 379
Financial ... 43, 203, 377, 531, 687, 843
Getting down to it ... 534
Goal of industrial peace, The ... 533
How to keep desirable employes ... 847
Incorporation of unions ... 534
Instruction in accuracy ... 206
Labor problem, The ... 210
Lowering prices ... 382
Manchester's technical school for printers ... 381
Miller case again, The ... 207
Moral influence of the machine ... 849
New I. T. U. laws ... 384
Newspaper capitalization ... 45
Oxidation of type ... 690
President Gompers on the militia ... 378
Question of technical education, The ... 532
Responsibility for spoilage ... 849
Rising standard, A ... 380
Russian idea, The ... 535
Shall it be done openly? ... 845
Shorter-work-day movement ... 385
Tempter and tempted ... 692
Too few competent workmen ... 46
Type and paper harmony ... 845
Typesetting machines in the G. P. O ... 689
Typographical union obligation, The ... 44
Wage question, The ... 383

Electrotyping and stereotyping:
Casting thin plates ... 734
Double-page advertisements ... 734
Electrotyping and stereotyping ... 102, 247, 400, 734, 883
Few queries, A ... 883
How heat affects type ... 883
Interesting contract, An ... 884
Matrices blister ... 734
Partridge's improved stereotype casting apparatus ... 247
Regarding depth of etching ... 734
Rolling machine paste ... 734
Shells fail to stick ... 734
Stereotyping ... 102, 250, 400
Streaky deposit ... 883
Up to the electrotyper ... 248

Engraving:
Alcohol in the developer ... 728
Arsenic, lenses and lead intensifier ... 552
Artist engraver, An ... 875
Blue enamel process, A ... 728
Brief answers to some queries ... 245
British Journal almanac, The ... 874
Cereographic engraving ... 245
Collodion emulsion for cold climates ... 245
Color-sensitive dry plates in half-tone ... 875
Combination line and half-tone ... 729
Cost of chemicals for processwork ... 728
Dragon's-blood ... 729
Editor of "Le Procede," The ... 84
Editor of the Process Review ... 551
Enamel for etching dies ... 395

Engraving — *Continued.* PAGE
Etching brass ... 245
Focusing three-color negatives ... 396
Fogged negatives ... 83
Gillots of Paris, The ... 84
Half-tone engraving as described in the twelfth census report ... 246
High art engraving and printing ... 550
Holder for half-tone screen and plate ... 395
Hydroquinone as an intensifier ... 874
Increasing use of color process plates ... 551
"Kahlbaum" mirror, The ... 875
Line etching on zinc ... 730
London school of photoengraving, A ... 874
Making photographic plates sensitive to red ... 395
Medium for retouching photographs for reproduction ... 551
New and old collodion ... 83
New wet collodion process, A ... 728
Opportunities for artists in New York ... 396
Organic wet plate developer ... 83
Parallax stereogram, The ... 246
Penrose's Pictorial Annual, 1903-1904 ... 730
Perchlorid of iron ... 84
Photoengravers' club, A ... 730
Photoengravers versus electrotypers ... 395
Photoengraving for a small newspaper ... 550
Photographers' copyright and the newspapers ... 552
Photographing on wood ... 395
Present status of the three-color patent litigation ... 246
Process engraving ... 83, 245, 394, 550, 728, 874
Processworker's clock, A ... 874
Quickest way to reverse negatives ... 551
Reversing negatives ... 394
Screen distance, size of stops, and exposure ... 246
Solution for blackening negatives, A ... 551
"Sweating" of the screen ... 396
Teaching engraving to convicts ... 84, 394
To make gelatin insoluble ... 83
Tri-color filters ... 874
Trouble with the silver bath ... 245
Violet rays injure eyesight ... 83
Wash-out engraving process, The ... 83
Wood engraver and the process plate, The ... 551

I.

Illustrations:
Agricultural dilettante, A ... 424
All coons look alike ... 201
Alpine hospice, An ... 392
Apprehension ... 523
Back to first principles ... 370
Belle of Manila, The ... 529
Blossoms ... 566
Boiling eggs ... 34
Boy with cub ... 547
Bridge of Spain, Manila ... 525
Brown compositype ... 261
Buffalo dance, The ... 548
Burned-wood posters ... 526
Chicago Typothetæ banquet ... 753
Chicken for dinner ... 199
Chief's headquarters, The ... 111
Christmas cake, A ... 432
Church's composing machine of 1822 ... 35
Church's typecaster of 1822 ... 35
City of Interlaken, Switzerland, The ... 536
Compositype bar machine ... 36

Illustrations — *Continued.* PAGE

Contentment ... 579
Convalescent, The ... 218
Coons ... 196
Cooper, The ... 886
Corn converters ... 878
Country swain, A ... 115
Cream of the islands, The ... 526
Dam at St. Charles, Ill ... 729
Difficult passage, A ... 721
Early visit, An ... 890
Editorial rooms of modern Japanese newspaper ... 263
Elaine ... 424
Empty stocking, The ... 376
Expectation ... 523
Fall in millinery, A, and a rise in lingerie ... 401
Figure for liberal arts ... 542
Filipino agriculturalist, A ... 746
Fire engine wrecked by falling walls, Baltimore fire ... 901
Fireworks display at opening of the new Brooklyn bridge ... 715
Forty-ninth convention of the I. T. U. in session, The ... 75
Friendly criticism, A ... 852
Friends ... 249
Fruit of toil, The ... 872
Fun at the seashore ... 98
Gathering storm, The ... 395
Genius of liberal arts ... 541
Grave of Oliver Goldsmith ... 749
Handy darkroom clock, A ... 874
Happy hours ... 93
Haymaking ... 859
"He loves me, he loves me not" ... 841
Hog-ma-nie ... 97
Home of the brook trout, The ... 676
Hostages to fortune ... 49
Hunting in Colorado ... 212
Idylls of the country, The, No. 3 — The foes of the rat ... 106
Idylls of the country, The, No. 4 — Ready for Christmas ... 244
Importation, An ... 95
In Colorado ... 51
Interior view of Stationers' Hall ... 696
In the gloaming ... 415
In the good old summer time ... 116
In the Gorge, Hot Springs, Ark ... 274
In winter quarters ... 246
I'se grandma ... 440
I. T. U. delegate's card, An ... 226
Johnson composing machine, The ... 35
Johnson typecaster ... 36
Jungfrau, The, as seen from the Rugenhugel, Switzerland ... 592
Kiowa squaw and papoose ... 581
Lady and rose, The ... 736
Lass who waits for a sailor, The ... 528
Launching the life-boat ... 678
Lauterbrunnen, Staubach, Switzerland ... 576
Linoscope, The ... 66
Lock-up for color forms ... 578
Long Bayou, Kankakee River ... 681
Louisiana woodland ... 54
Ma don't know how tall I'se growed ... 560
Master Crew carries his jest too far ... 363
Mill Creek, near Batavia, Ill ... 691
Model's rest, The ... 384
Moonshiners' country, The ... 675
Morning glories ... 416
Mounts Niesen and Stockhorn at Interlaken, Switzerland ... 552
Mouth of the Pasig River, Manila, the landing place of U. S. troops ... 745
Mutual understanding, A ... 422
Nation's wards, The ... 577
New customer, A ... 400
New factory of the Fuchs & Lang Mfg. Co ... 443
New French press, The "La Monocylette" ... 896
"None-so-pretty" ... 195
Nonunion feeder, A ... 74
Off day in the woods, An ... 61

Illustrations — *Continued.* PAGE

Office of Council City (Alaska) News ... 423
Old swimming hole, The ... 410
On Scotia's cliffs ... 58
On the Hot Springs mountain ... 252
Orkney kitchen, An ... 704
Ouachita river mill dam, Hot Springs, Ark, A ... 257
Palace of education, St. Louis World's Fair ... 540
Palace of electricity ... 540
Palace of liberal arts ... 540
Partridge's stereotyping apparatus — closed ... 248
Partridge's stereotyping apparatus — open ... 248
Pavilion entrance of graphic arts section ... 540
Pavilion of palace of liberal arts ... 540
Physical liberty ... 543
"Pick-ups" ... 891
Pierrot ... 50
Portraits:
Antonson, F. W. ... 572
Austin, A. C. ... 551
Avery, Arthur ... 572
Barnhart, Henry A. ... 724
Barnhart, Warren ... 743
Barrow, Samuel G. ... 707
Bay, James L. ... 413
Beeman, V. H. ... 399
Blanchard, Isaac H ... 885
Bohle, J. C. ... 64
Calmels, H. ... 84
Canode, M. L. ... 399
Cantwell, Hon. M. J. ... 906
Casey, George ... 559
Cathcart, Miss Carrie ... 723
Clark, W. W. ... 903
Cushing, J. Stearns ... 751
DeVinne, Theodore L. ... 269
Duboc, Chas. H ... 718
Gillot, Charles ... 84
Gillot, Firmin ... 84
Gordon, Laura B ... 78
Graff, Charles T ... 79
Green, William ... 436
Greene, F. H. ... 229
Greene, H. B. ... 229
Guest, John ... 64
Hamm, E. F. ... 586
Hanafin, W. J. ... 78
Heath, Franklin W ... 588
Hobbs, Miss Emily ... 717
Horgan, S. H. ... 264
Huston, J. A. ... 77
Jackson, Mrs. Anna ... 64
Jenkins, Z. T. ... 77
Johnson, Joe M. ... 78
Johnson, Mrs. Joe M. ... 79
Kennedy, Mrs. Frank A ... 78
Kessler, Miss I. M. ... 399
Koops, F. W. ... 229
Kurtz, A. I. ... 559
Lawry, E. J. ... 717
Leo XIII ... 82
Littlefield, E. N. ... 717
McCormick, John ... 220
McNeese, R. G. ... 559
MacLane, Mary ... 56
Marinoni, M. ... 907
Marlatt, George E. ... 559
Melton, W. F. ... 572
Milton, John ... 582
Mintier, J. H. ... 399
Partridge, C. S. ... 599
Pears, Harry P. ... 435
Pelouze, Edward ... 591
Pelouze, Lewis ... 884
Pope, George A. ... 559
Pringle, A. W. ... 64
Ramsey, Capt. W. R. ... 79
Ray, William A. ... 572
Raymond, Charles L. ... 399
Roper, John W. ... 572
Ruter, H. V. ... 572
Scott, L. R. ... 572

Illustrations — *Continued.* PAGE

Shepard, Mrs. Levi ... 598
Shepard, Levi ... 598
Shepard, Henry O. ... 412, 686
Shoemaker, O. ... 717
Simmons, Horace ... 717
Spencer, Miss Katherine Kidd ... 79
Stephens, E. R. ... 572
Stubbs, Wm. H. ... 397
Tallman, F. R. ... 64
Taylor, George H. ... 592
Taylor, R. D. ... 229
Thompson, Russell ... 572
Thomsen, George ... 229
Tyrrell, E. R. ... 890
Vaughan, D. C. ... 78
Walther, George J. ... 572
Wanner, Andrew F ... 279
Warnock, Wallace S ... 279
Webster, A. A. ... 911
Whitehead, F. N. ... 77
Prairie Bend, Kankakee River ... 684
President's Thanksgiving turkey, The ... 202
Primitive methods in the poultry industry ... 869
Printing-office of Will Poland, Urbana, Ohio ... 273
Progress of manufacture ... 546
Puzzle-picture — Overlook Park, Asheville, N. C. ... 197
Quarrel, The ... 53
Queen's pups ... 583
Raiding an opium joint, Manila ... 564
Receiving copy by telephone ... 398
Rising generation, The ... 110
Roses and milk ... 375
Ruins of great Baltimore fire ... 898-900
Schoolroom, machine composition branch, Inland Printer Technical School ... 228
Sears direct printer, The ... 37
Secret, The ... 894
Shieldbearers ... 547
Shigley job press ... 892
Side-piece for cascades ... 545
Silhouette portrait ... 837
Speed ... 547
Spirit of the Atlantic Ocean ... 544
Spirit of the Pacific Ocean ... 544
Stained glass windows of Stationers' Hall, The ... 699
Straight question, A ... 235
Study in chalk ... 33, 192
Study in lighting, A ... 62
Swiss mountain scenery ... 530
Tea-party, A ... 868
Tomb of John Bunyan ... 897
Town crier of old Japan, The ... 263
Trysting place, The ... 846
Typo's outing on Chesapeake Bay, The ... 76
Unique book plate, A ... 905
United States troops operating Colt automatic gun at Tarlac ... 596
Variable mold liner ... 560
Venable low-metal alarm ... 228
Vertigé ... 521
Veteran's reunion, The ... 47
Welcome footsteps ... 890
When the wind is in the west — Orkney ... 42
Worsell took the manuscript gingerly ... 835
Young Germany ... 113
Young virtuoso, A ... 109
Yuletide of the ancient Britons ... 361

L.

Lithography:
Aluminum by a new process ... 732
Art of color mixing, The ... 416
Benefits of technical schools for artisans ... 415
Best works on lithography for students ... 574
Blue for rubbing in tracings on gelatin ... 82
Boiled linseed oil ... 877
Book-cover designing in America ... 81
Color-printing process, A ... 877
"Combinations" in the lithographic industry ... 251

Lithography — *Continued.* PAGE
Composition rollers for lithographic machines 414
Conditions in Russia..... 574
Conditions in South Africa..... 81
Damping the aluminum plate..... 251
Death of the organizer of the L. I. P. & B. A..... 251
Difference in tones of black upon the same transfer 252
Easy method of printing with the lithographic roller, An..... 82
Etching-ground recipes..... 252
Etching the zinc plate..... 731
Even temperature in the pressroom.... 731
Exhibition for artists..... 877
Experimenting on aluminum..... 81
Fine screen tints without a Ben Day film 877
Free and liberal-minded union organ, A. 251
Future of lithography, The..... 878
Gum gamboge on stone and aluminum.. 731
Hardened gelatin films.....575, 732
High etching on aluminum..... 731
How and where..... 732
How to preserve zinc plates..... 878
Ideal manager, An..... 416
Imitating lithographing on celluloid..... 81
Improvement in standards..... 877
Instructions for engraving on stone..... 81
Interesting book for lithographers, An.. 878
Inviting advertisement, An..... 81
Lithographic conditions in England..... 81
Lithographic printing on hard, rough paper 414
Lithographic stone quarries found in Virginia 731
Lithographic trade schools in London... 414
Lithography.....81, 251, 414, 574, 731, 877
Lithography in a new field..... 877
McBrair substitute for lithographic stone, The 251
Melting points of acid-resisting substances 575
Modern methods of varnish manufacture 877
More art required..... 81
Negative transfer upon aluminum plate. 415
New composition rollers..... 574
New lithographic surface, A..... 252
New York trade school..... 877
Ownership of samples..... 731
Paste for varnished surfaces..... 575
Pneumatic lithographic roller, A..... 415
Printing without damping the stone..... 731
Recipe for making gum rollers, A..... 574
Regarding emigrating lithographic workmen 251
Retouching the lithographic transfer impression 414
Rise in prices in the lithographic industry in France..... 81
Shrinking of gelatin..... 731
Some samples of lithography..... 575
Something new 732
Source of future development, A..... 877
Specialism versus versatility..... 574
Specimens of steel and copperplate engravings 414
Spots in large surfaces of touched solids 414
Style and taste standards in decorative art 253
Substitute for pumice stone..... 731
Taxing sources of artistic knowledge.... 877
Three-color work on stone..... 878
Tinting of the stone..... 251
To make lithographic stone sensitive to light 251
Transferring to lithograph stone for "colored prints"..... 82
Transfers five years old..... 877
Traveling designer, The..... 877
Trays for process experimenters..... 731
Wages of lithographic engravers..... 416
Where process is superseding lithography 878
Zinc etch for surface printing..... 731

M.

Machine composition: PAGE
Advice from a graduate..... 63
Alignment and shearing..... 398
American linotypist visits England, An.. 397
Another low-metal alarm..... 228
Antipodean graduate, An..... 717
Appreciative graduate, An..... 226
Average speed 868
Carrying belts of Simplex machine..... 399
Casting borders 716
Cause of spacebands breaking, The..... 65
Cold metal 718
Composing machines—past and present 35, 196
Defective letters in slugs..... 398
Did not want the job..... 559
Don't forget.....226, 397, 558, 716, 867
Double-deck Linotype machine, A..... 229
Fair day's work, A..... 558
"Freak" attachment, A..... 66
Graduate's troubles, A..... 228
High and low letters..... 228
High average, A..... 718
It is to laugh..... 868
Lead poisoning 399
Linotype fan, A..... 64
Linotype matters in London..... 228
Linotype metal 560
Linotype scale in England..... 559
Lock-up of mold disk..... 869
Machine composition..63, 226, 397, 558, 716, 867
Machine legislation at Washington convention 63
Matrices and magazines..... 868
Matrix ears battered..... 559
Metal 717
Metal gathers on mold..... 64
Monotypes in Australia..... 559
New process of mechanical composition, A 869
Noteworthy anniversary, A..... 598
Operating under difficulties..... 229
Overhauling an old plant..... 560
Pointers 718
Prize contest, The..... 226
Queries from Arizona..... 64
Recent patents on typesetting machinery. 66
Relieving tension on springs..... 226
Some expedients 559
Things you should not forget..... 63
Thinks record is high..... 65
Typesetting by electricity..... 716
Used his finger for a knife-wiper..... 64
Vise automatic 868
Wants first prize..... 63
Washing type 717

Miscellaneous:
Adoption of the Roman letter in Japan.. 413
Advertising 107, 259, 433, 589
After reading a popular novel..... 703
Agricultural note 426
Amendment to copyright law..... 876
American bank notes..... 890
American copyright law..... 275
American way, The..... 855
Amos J. Cummings memorial..... 876
Another automatic feeder..... 730
Another false alarm..... 536
Another Hearst newspaper..... 882
Another printers' home..... 589
Apprentice and his work, The..... 255
Appropriate heading, An..... 277
Arbitration in New Zealand..... 262
Arizona kicklets 271
Art versus printing..... 114
Artist's success, An..... 859
Ascertaining cost 67
Australia will exclude all foreign books.. 911
Banquet of employing bookbinders..... 895
Berlin notes 583
Blessed is the kicker; he shall receive.. 903
Bohemianism and ruin..... 708
Books and periodicals.....113, 268, 440, 597
Bouquets 889
Box man's basis, The..... 368

Miscellaneous — *Continued.* PAGE
Business notices.....117, 278, 442, 600, 758, 913
Carelessness, thoughtlessness and ignorance 679
Certainly was profane..... 904
Charles Keene as an etcher..... 855
Christmas dinners for the poor..... 432
Circular saws in the hands of printers, photoengravers and electrotypers... 197
College of photoengraving, A..... 552
Color in the graphic arts..260, 429, 564, 746, 893
Competency a prerequisite..... 536
Compositype sorts caster, The..... 261
Conference of the national publishers' association and the I. T. U..... 211
Congratulatory 597
Copyright reciprocity 912
Correction, A 441
Course in the principles of design, A.... 37
Cover-papers 421
Cox multi-mailer, The..... 116
Cultivate reserve power..... 691
Darkened path, The..... 833
Deal with the men..... 41
Dirty case, A..... 903
Do auxiliaries promote divorces?..... 254
Do conventions pay?..... 79
Doubletone inks..... 96
During the convention..... 744
Echoes from the Baltimore fire..... 901
Educational opportunity for printers, An 578
Elaborate luncheon, An..... 870
Electrotypers' banquet 599
Employers' organizations 273
English grammar 199
English language, The....374, 524, 680, 840
English printers the best..... 870
Entered at Stationers' Hall..... 694
Entertainment of the forty-ninth session of the International Typographical Union, The..... 75
Enthusiasm of conviction, The..... 74
Enthusiastic friend, An..... 859
Exactions of the Franklin Union of pressfeeders 440
Exhibition of printing, An..... 893
Expert's opinion, An..... 62
Export field, The.....66, 262, 424, 584, 744, 905
Fairness the price of peace..... 550
Familiar face, A..... 758
Fanny Crosby, hymn writer..... 247
Faults of contributors, The..... 417
First newspaper in Great Britain..... 597
First newspaper to use illustrations..... 264
First printer in British America..... 700
First web printing press, The..... 112
Freight rate on type..... 895
From an Australian's viewpoint..... 855
From the Orient..... 912
From the reminiscences of "Eighth Medium" Bill.....193, 521
"Genesis of journalism," The..... 682
Good printers in demand..... 388
Government printing-office now an "open" shop, The..... 413
Government's printing plant, The..... 428
Graphic arts exhibit, The, at the St. Louis World's Fair..... 541
Great Baltimore fire, The..... 898
Growth of American daily papers..... 727
Gustavus F. Swift's mottoes..... 870
Heaps of trouble for the editor..... 268
Hints on presswork..... 48
His due 759
His honey was not there..... 385
His only teacher..... 262
Honored by electrotypers' association.... 599
How a great "scoop" was lost..... 726
How George Ade came to write fables.. 212
How music is printed..... 417
Hygienic leaf-turner, A..... 561
Illustrated press syndicate..... 432
Indispensable 857
Instructive example, An..... 592

Miscellaneous — *Continued.* PAGE

Instructor of apprentices, An..... 577
Inventor in the graphic arts, An..... 744
Inventor of the ruling machine, The.... 719
Iron printer, The — an invention..... 386
It was a mistake..... 749
Italian exhibition in 1905..... 895
Journalism at the University of Michigan 573
Journalistic romance, A..... 727
Knows one that hasn't..... 873
Land of the daily paper, The..... 419
Largest Bible publishing house, The.... 396
Lark's shrewd guess, The..... 41
London notes.....580, 748, 896
Lord's Prayer in Burmese, The..... 733
Lubrication of gearing..... 268
Man at the window, The...55, 213, 388, 537, 701, 853
Management of a small job office, The.. 408
Mending broken castings..... 563
Mission of organized labor..... 255
Model print-shop, A..... 273
Modern bindery needed..... 262
Morning with Theodore L. DeVinne, A.. 596
Most northerly newspaper..... 423
Mural decoration at the World's Fair.. 545
Needs the money 442
New Australian trade paper..... 884
New field for the "follow-up" system, A 834
New French national printing-office..... 748
New Government printing-office too small 254
Newspaper amenities 845
Newspaper in the arctic circle..... 250
Newspaper work..98, 230, 419, 567, 724, 880
No more crisp bank-notes..... 439
No whiskers there..... 222
Object to glazed paper..... 253
Old-time printers' reunion..... 759
On the menu..... 752
Once a subscriber, always a subscriber.. 865
Open-shop policy, The..... 850
Organized capital versus organized labor 241
Our increasing trade..... 277
Parisian newspaper freak contests..... 573
Partnership in job-printing plants..... 839
Patented book, A..... 85
Penotype cover designing..... 372
Petition for lower freights on type..... 439
Photography in colors — the three-color method 223
Piecework in lithography..... 732
Plea for higher education of the job compositor, A..... 528
Poets at a house party, The..... 275
Polyglot newspapers in South Africa... 889
Portfolio of specimens of printing..441, 744
Portrait of Henry O. Shepard..... 413
Poultry specializing..... 890
Powerful factor, A..... 906
Preparations for St. Louis World's Fair. 879
Press congress of St. Louis, The..... 217
Primitive printing 743
Printer and my lady's heart, The..... 361
Printer and the railroad men go a-fishing, The 274
Printer for seventy-two years, A..... 434
Printers and supplymen in England..... 836
Printers' apprentice in Maryland, The.. 418
Printers' oath, The..... 201
Printers' specimens 275
Printing display in Newark..... 253
Printing in Austria..... 271
Printing in Russia..... 882
Printing trade in Scandinavia, The..... 889
Prison editor asks release..... 573
Reading for the blind..... 735
Reception by bookbinders..... 700
Reminiscences of a stage driver..... 547
Remittances of money through the mails. 599
Resourcefulness 893
Responsive chapel reading for services following Typothetæ convention.... 200
Review of accuracy for printers, A..... 387
Revolutionizing pictorial printing..... 437
Rules regarding stenographers..... 437
School for apprentices, A..... 838
Selecting trade 212

Miscellaneous — *Continued.* PAGE

Session of the "knocker's" club, A.... 222
Settled by arbitration..... 591
Sixteenth century printing in Mexico... 270
Slight difficulty, A..... 582
So it is..... 904
Softening the blow..... 758
Some commercial aspects of photography 33, 194
Some matters of punctuation and other form 52
Souvenir of the wholesale druggists' convention 254
Stereopticon lectures for apprentices.... 903
Story of a calendar, The..... 430
Strike insurance plan abandoned..... 536
Systematic face 673
Tariff decision 879
Tariff decision on printed books, A..... 598
Technical school in Canada, A..... 375
Text capitals "I" and "J"..... 895
Theory of advertising, The..... 676
There's safety in the counsels of the moderate 536
Thrilling tale, A..... 566
To commemorate Franklin's birth..... 870
To cultivate Japanese paper plant here.. 594
Too much inflammable poetry..... 580
Trade-marks 897
Trade notes.....114, 276, 442, 599, 757, 911
Trade paper advertising..... 418
Trade schools..... 700
Trade union's wise decision, A..... 865
Training of compositors, The..... 719
Treatment of machinery belts..... 426
"Turnover idol," The..... 82
Two things settled..... 276
Typographical effect 579
Typographical tragedy, A..... 719
Typothetæ 109, 269, 434, 586, 750, 885
Uncle Sam's printing — some record achievements 548
Unions should encourage schools..... 591
Unique library, A..... 432
United States import duty on printing... 903
Unusual view of a vexed question, An.. 277
Up to the proofreader..... 897
Vacation given night-workers..... 891
Valuable to the artist..... 402
Value of old books, The..... 431
Wages of German bookbinders and type-founders 421
Wall-paper printing 434
Wants a State printing-office..... 857
Wants every portfolio issued..... 558
Western authority on printing, A..... 910
What causes books to spoil?..... 548
Will not be paid for..... 897
Working over old newspapers..... 573
World's printing and statistics, The..... 592
Would gladly absolve them all..... 250
Ye printer's Yuletide fortune..... 525

O.

Obituary:

Bacon, Walter Clark..... 906
Barnhart, Warren 743
Brand, Otis Henry..... 906
Bresnan, P. H..... 906
Cantwell, Hon. M. J..... 906
Delano, Thomas H..... 906
Drew, Benjamin 276
Ellis, Harvey 906
Godwin, Parke 906
Hennessy, John Collins..... 906
Lloyd, Henry D..... 276
McCutcheon, Abram 743
Magill, Joseph 906
Marinoni, Hippolyte.....743, 906
Moore, Edwin B..... 906
Obituary 276, 592, 743, 906
Parker, Thomas 907
Pickett, A. B..... 906
Shepard, Henry Olendorf..... 740
Slade, Mrs. Dana, Jr..... 276
Taylor, George H..... 592

Obituary — *Continued.* PAGE

Thienes, Peter 276
Warren, Alexander Ramsey..... 276

P.

Poetry:

Dog, The..... 757
It goes the other way..... 247
Night editor's criticism, The..... 371
One deficiency, The..... 566
Our ole swimmin' hole..... 385
Photography 82
Poem you ought to know, A..... 523
Success 912
Unpleasant thought, An..... 373
Wail of a poet..... 536

Pressroom:

About a slurring press..... 257
American methods of printing liked..... 93
Another mailing machine..... 562
Another opinion regarding washing rollers 94
Attempt at overlaying a half-tone..... 723
Background inks for mapwork..... 562
Bad screws in ink fountain..... 720
Booklet that did not find us, A..... 94
Booklets 720
Christmas number from New Zealand, A 722
Cleaning a felt roller for colorwork.... 871
Courts criticism on his presswork..... 258
Criticism of a letter-head..... 409
Distinguishing difference between three-color plates, The..... 409
Few important questions, A..... 872
From an Australian apprentice..... 562
Gloss finish on labels..... 563
Gold lettering on black ink..... 872
Golden jubilee number of "Die Abendschule" 409
Half-tone cuts on envelopes..... 721
Half-tones in newspapers..... 873
How to imitate typewritten letters..... 256
How to prevent job-press rollers from jumping 409
How to print only a part of a cut..... 720
Impression screws 871
Improved job printing-press, An..... 266
Indorses the technical school..... 409
Just happened that way..... 257
"Lay of the booklet, The"..... 258
Metallic overlays 720
Mixing inks to work in cold weather.... 256
Multi-color on flat-bed presses..... 721
Neat carton box, A..... 256
Neat title-page, A..... 871
Newspaper half-tones 562
"New York city sky line"..... 257
Novelty that did not reach us, A..... 93
Opinion wanted on a sheet of half-tones. 410
Overlay cutting 720
Paper splitting 722
Perforating on platen presses..... 562
Praise for the school..... 258
Pressroom 93, 256, 409, 562, 720, 871
Printing done in a State institution..... 411
Printing in colors from a single plate... 411
Printing-ink reducer 720
Printing on painted or shellacked wood.. 871
Printing on palm-leaf fans.....256, 871
Printing on wood..... 256
Producing typewritten effect..... 871
Question about column rules, A..... 94
Roller bearers not used..... 720
Rollers fail to ink form..... 872
Scale or method by which inks may be estimated, A..... 257
Sizing for gold leaf..... 563
Slurring 563
Slurring on cylinder press..... 721
Slurring on job press..... 722
"Small farmer, The"..... 256
Suggested improvements 562
"The Thomas Cat"..... 720
Three-color presswork 562
To print on aluminum..... 93
Two beautifully executed booklets..... 257
Two specimens 563

Pressroom — *Continued.* PAGE
Uneven-faced brass rules..... 873
Unique sectional steel block, The..... 721
Usual summer complaint with rollers, The 94
Wants our opinion on packet-size heading 256
Wants our opinion on presswork..... 93
Wants packing for cylinder press..... 256
Wants to know how to make black ink stick on enameled paper, etc..... 95
Well-laid-out booklet, A..... 258
What causes breaks in the rules?..... 95
White ink on red gloss paper..... 871

Proofroom:
Abbreviation, An..... 422
Bastard type 714
Commas, State names..... 235
Correspondence schools 576
Dates 234, 576
Dead or alive..... 859

Proofroom — *Gontinued.* PAGE
Distinctive mark wanted..... 576
Double connective 60
From over sea 577
Horse on the house..... 235
Moot point in punctuation, A..... 576
More questions from England..... 714
"None" 61, 858
"None" again 422
O'clock 234
On teaching proofreading..... 858
Personal titles 858
Possessive abbreviation 714
Pronoun, A..... 421
Proofreader, The 62
Proofroom 60, 234, 421, 576, 714, 858
Punctuation and abbreviation..... 60
Questions 235
Questions of form..... 859
Requirements for proofreading..... 235
Secondary quotations 60

Proofroom — *Continued.* PAGE
Some more criticism 235
Unusual words 576
Various questions 577
Where is the proofreader?..... 422
Women's names 576
Words in dispute..... 714

T.

Type and Typefounding:
Century expanded roman and century expanded italic 269
Chatham oldstyle series.....242-243
Cheltenham series..... 584
John Hancock series.....104-105
Pabst old style.....737-739
Primitive No. 2..... 866
Scotch roman.....425, 585
Typefounders and typefounding in America 591, 884

INDEX TO ADVERTISEMENTS.

PAGE

Acme Compound Co....159, 319, 442, 485, 639, 799, 951
Acme Staple Co...20, 168, 346, 507, 666, 829
American Colortype Co.....152, 293, 632, 948
American Embossing Co.....118, 280, 445, 601, 760, 913
American Paper Feeder Co...20, 168, 458, 507, 664, 944
American Steel & Copper Plate Co....158, 318, 484, 638, 798, 950
American Type Founders Co.....142, 184, 192, 326, 506, 660, 830
Archer, G. F..... 121
Atchison, Topeka & Santa Fe Ry.....147, 157, 486, 636, 795, 927
Atlas Electrotype Co...158, 318, 484, 638, 798, 950
Ault & Wiborg Co.....8, 164, 333, 492, 646, 810

Babcock Prtg. Press Mfg. Co.....12, 169, 337, 496, 669, 819
Barnes-Crosby Co.....149, 469, 767
Barnhart Bros. & Spindler...12, 169, 337, 496, 669, 819
Bates Machine Co.....123, 191, 449, 606, 758, 765, 918
Beck Engraving Co..... 190
Beck, Charles, Paper Co....154, 289, 341, 600, 616, 791, 938
Bellman Association, The.....627, 924
Bennett-Thomas Mfg. Co.....153, 300, 922
Berlin Ink & Color Co..16, 286, 478, 631, 780, 937
Bierstadt-DeVinne Overlay Process Co. 278, 302, 460, 623
Big Four Route.....117, 797, 923
Bingham's, Sam'l, Son Mfg. Co..144, 184, 456, 616, 659
Binney & Smith Co.....13, 180, 359, 817
Bissell College of Photoengraving.....517, 772, 828
Black-Clawson Co.....158, 318, 484, 638, 798, 950
Blatchford, E. W., & Co..... 951
Blomgren Bros. & Co.....130, 457, 777
Bonnerwith Bros..121, 283, 448, 604, 799, 951
Bormay & Co..... 487
Boston Printing Press Co....18, 302, 345, 513, 667
Boston Wire Stitcher Co....14, 294, 358, 613, 793
British Printer.....635, 789, 923
Bronson's Printers' Machinery House..117, 136, 294, 483, 635, 792
Brower-Wanner Co..... 117
Brown Folding Machine Co..21, 165, 340, 512, 662, 818
Buffalo Printing Ink Works..152, 303, 344, 624, 784, 939
Burrage, Robt. R..121, 283, 447, 603, 759, 763, 917
Business Directory.....145, 305, 473, 625, 785, 945
Butler, J. W., Paper Co..1, 161, 321, 489, 641, 801

Cabot, Godfrey L.....158, 318, 484, 638, 798, 950
Campbell Co.....4-5, 166-167, 324-325, 494-495, 644-645, 808
Carver, C. R., Co..13, 180, 460, 623, 790, 934
Central Machine Works.....143, 173, 332, 501, 787, 828
Challenge Machinery Co.....31, 177, 345, 502, 652, 935
Chambers Bros. Co..32, 192, 278, 342, 630, 651, 805
Champion Coated Paper Co..17, 309, 450, 515, 779, 820

PAGE

Chandler & Price Co.....356, 616, 942
Chesapeake & Ohio Ry..... 279
Chicago & Alton Ry.....159, 319, 485, 639
Chicago, Milwaukee & St. Paul Ry....155, 316
Chicago Roller Co..... 30
Child Acme Cutter & Press Co...132, 310, 352, 510, 664, 822
Clark Paper & Mfg. Co....121, 283, 448, 603, 763, 916
Cleland Chemical Co.....603, 763, 916
Coes, Loring, & Co....131, 311, 463, 615, 783, 919
Connecticut Type Foundry..... 482
Conner, Fendler & Co..... 448
Consolidated Press Clipping Co...120, 282, 447, 604, 763
Continental Colortype Co..... 290
Cooper, Leon N.....120, 283
Cottrell, C. B., & Sons Co..122, 285, 338-339, 605, 672, 823
Coy Printing Press Co..444, 508, 600, 667, 759, 808
Crane, Z. & W. M.....148, 308, 456, 633, 766, 949
Crane Bros...159, 319, 476, 484, 638, 798, 950
Crawley Book Machinery Co.....128, 183, 344, 510, 774, 807
Crowl, Pearre E., Co.....282, 603, 763

Delete Chemical Co.....158, 318, 484, 638, 798, 950
Dennison Mfg. Co.....136, 449, 797
Dexter Folder Co...7, 188, 336, 511, 656, 812
Dick, Rev. Robert, Estate...138, 314, 360, 503, 663, 923
Dinse, Page & Co..32, 192, 360, 503, 663, 832
Dixon, Jos., Crucible Co....120, 283, 448, 604, 763, 916
Doxo Mfg. Co.....472, 616, 782, 938
Duplex Printing Press Co.....182, 499, 809
Durant, W. N.....117, 120, 284, 448, 604, 764, 917

Electric City Engraving Co..22, 176, 359, 503, 663, 827
Electro-Tint Engraving Co.....29, 505
Elliott Addressing Machine Co...458, 508, 665, 825

Fairbanks Co..... 949
Farmer, A. D., & Son.....11, 866
Force, Wm. A., & Co.....184, 613, 922
Foyer Process Co..... 924
Franklin Engraving & Electrotyping Co. 137, 451, 600, 629, 931
Freund, Wm., & Sons..30, 291, 358, 442, 635, 790, 943
Fritz, A. W.....117, 280
Fuchs & Lang Mfg. Co..150, 354-355, 443, 920
Fullard Mfg. Co.....24, 172, 353
Fuller, E. C., Co.....133, 179, 349, 612, 657

Gatchel & Manning.....455, 519, 775, 933
German-American Bank..... 604
Gether-Drebert-Perkins Co.....143, 191
Gilbert, Harris & Co.....633, 766, 949
Gill Engraving Co..... 454
Glidden & White Co..... 147
Globe Engraving & Electrotype Co.....10, 174, 279, 335, 493, 668, 816
Glueine Mfg. Co.....283, 448, 603, 763, 916
Godfrey & Co.....158, 318, 484, 638, 798, 950
Goes Lithographing Co.....607, 647, 814
Goodrich, Jas. E., & Co..... 126
Gordon Press Brake Co..... 916
Gordon Press Works..... 618
Great Western Smelting & Refining Co., 159, 485, 799
Griffin, H., & Sons.....158, 318, 484

PAGE

Hamilton Mfg. Co.....671, 831
Hampshire Paper Co.....3, 163, 323, 491, 643, 803
Harper Illustrating Syndicate....121, 284, 448, 604, 763, 916
Harris Automatic Press Co....6, 170, 328, 497, 794, 806
Hawtin Engraving Co..159, 319, 485, 639, 799, 951
Hellmuth, Charles..31, 184, 358, 514, 791, 827
Higgins, Chas. M., & Co....121, 283, 448, 604, 764, 917
Hoke Engraving Plate Co..... 456
Hollingsworth, Sam'l...147, 307, 485, 638, 798, 950

Illinois Central 127
Inland Printer Technical School.....142, 172
Inland Type Foundry...15, 313, 340, 518, 653, 936

Japan Paper Co.....300, 483, 627, 793, 935
Jenney Electric Mfg. Co....476, 502, 650, 804
Jewett 138, 302, 472, 609, 650, 942
Jones Gordon Press Works..... 16
Juergens Bros. Co.....138, 315, 471, 609, 650, 942

Kast & Ehinger....31, 184, 358, 514, 791, 827
Keith Paper Co.....Covers
Keystone Blue Paper Co.....159, 319, 485, 639, 799, 951
Keystone Type Foundry..... 944
Kramer Web Mfg. Co.....314, 461, 655, 759

Latham Machinery Co.....31, 611, 769, 939
Levey, Fred'k H., Co.....Covers
Lindenmeyr, Henry, & Sons.....140, Covers
Little, A. P.....138, 300, 446, 635, 762, 915
Lloyd, Geo. E., & Co..153, 278, 284, 353, 514, 797, 827
Lynchard Square Lock Quoin Co.....127, 314, 360, 514, 791

McGinty Paper File & Feed Gauge Co..480, 606, 788
McLaurin Bros.....147, 319
McLees, Frank, & Bros.....30, 462, 924
Manz, J., Engraving Co.....19, 187, 453
Marshall Mfg. Co.....772, 928
Martenson, L., & Co...158, 318, 484, 638, 798, 950
Martini Book-Sewing Machine.....331, 670
Mayer, J. H.....448, 604, 763, 916
Mayer, Robert, & Co.....765, 830
Mead, A. G..... 483
Megill, Edward L..16, 190, 358, 635, 793, 935
Mergenthaler Linotype Co...125, 287, 608, 656, 929
Merriam, G. & C., Co..... 353
Michigan Central R. R.....156, 317
Midland Glue Co..... 917
Miehle Printing Press & Mfg. Co.....Covers
Mietz, A.....117, 121, 283
Miller College of Art..283, 447, 604, 764, 917
Mittag & Volger...159, 319, 485, 639, 799, 951
Mittineague Paper Co...32, 288, 480, 504, 776, 832
Monasch Lithographing Co..294, 472, 634, 793
Monon Route.....154, 315, 636
Monotype 8, 168, 328, 496, 648, 816
Morgans & Wilcox Mfg. Co..... 622
Morrison, J. L., Co....134, 189, 444, 468, 634, 789, 935
Moses, Lionel.....121, 283, 448, 604, 763, 916
Murray Machinery Co..152, 278, 291, 467, 501, 792, 928

PAGE

National Mfg. Co..... 618
Neidich Process Co..... 782
New York Engravers' Supply Co..... 147
New York Stencil Works....16, 190, 332, 514, 791, 943
Niagara Paper Mills.....144, 304, 472
Northwestern Line..... 637, 796

Okie, F. E., Co.....624, 768, 824
Old Berkshire Mills Co.....136, 336
Olds Gasoline Engine Works.....121, 283, 447, 604, 764, 916
Oliver Typewriter Co..... 938
O'Neil, A. S., Co..... 190
Oswego Machine Works..23, 186, 351, 608, 649, 815
Owl Press, The.....117, 600

Paper Mills Co..... 472
Parsons Bros.....127, 178, 475, 609, 655, 829
Parsons Paper Co...Cover, 303, 352, 622, 788
Payne Printing Co.....759, 941
Peninsular Paper Co.....128, 296, 456
Pennsylvania Lines 278
Photo Electrotype Engraving Co..... 470
Pirie's Gummed Papers.....159, 319, 485, 639, 799, 951
Platen Press Roller Adjuster Co..138, 314, 360
Plymouth Paper Co.....158, 318
Practical School of Journalism..... 916
Printers Ink Jonson....132, 177, 346, 520, 652, 934
Printing Art 940

Queen & Crescent Route.....636, 764
Queen City Printing Ink Co..24, 176, 352, 512, 664, 920

Rainbolt, V. H..... 764
Rathbun & Bird Co.....604, 763, 916
Redfield Bros. 938
Rhodes Blanket Co.....22, 289, 477, 624, 784, 808
Riessner, T.....120, 281, 360, 602, 761, 914
Ringler, F. A., Co.....347, 776
Rising, B. D., Paper Co..27, 312, 343, 504, 661

PAGE

Rockstroh Mfg. Co..... 925
Rogers & Co..... 14
Rooks, E. S., & Co....158, 318, 484, 638, 798, 950
Rothschild, M. M.....627, 793
Rouse, H. B., & Co....154, 176, 467, 500, 774, 944
Rowe, James.....32, 192, 360, 503, 663, 832
Royle, John, & Sons...148, 308, 456, 633, 766, 943
Ruxton, Philip..... 481

Saranac Electrical Mfg. Co.....127, 483, 789
Schelter, J. G., & Giesecke..... 121
Schuyler Repair Works..... 924
Scott, Walter, & Co...129, 175, 329, 498, 648, 932
Seybold Machine Co.....9, 171, 327, 811
Shepard, Henry O., Co.....120, 124, 181, 282, 448, 516, 604, 764, 916, 928
Sheridan, T. W. & C. B., Co.....28, 295, 330, 443, 509, 658, 826
Sherman Envelope Co..... 119
Shoemaker, J. L., & Co.....158, 318, 484, 638, 798, 950
Shotter, S. P., Co.....799, 951
Simms, Geo. Advertising.....763, 917
Simonds Mfg. Co..123, 310, 462, 614, 782, 918
Sirret, L. L., Corporation...117, 140, 300, 336, 775, 922
Slade, Hipp & Meloy..159, 319, 485, 639, 799, 951
Southern Railway 603, 764, 917
Spatula Pub. Co..120, 283, 447, 603, 763, 916
Sprague Electric Co.....14, 178, 334
Standard Machinery Co.....139, 298, 452, 619, 654, 923
Standard Printing Ink Co....18, 173, 278, 341, 513, 665, 825
Star Engravers' Supply Co.....159, 279, 319, 485, 639, 759, 799, 951

Tarcolin 158, 318, 484, 638, 798, 950
Tatum, Sam'l C., Co.....26, 442, 466, 768
Thalmann Printing Ink Co...24, 185, 326, 506, 660, 832
Thompson & Norris Co.....315, 519, 804

PAGE

Tympalyn Co.....138, 300, 334, 443, 635, 789, 926
Typo Mercantile Agency.....348, 444

Ullman, Sigmund, Co..141, 301, 350, 617, 771, 930
Underwood Typewriter Co..... 500
Union Card & Paper Co.....140, Covers
United States Colortype Co.....135, 299, 620, 792, 821
United States Envelope Co..... 448
Unitype Co.....2, 162, 322, 490, 642, 802

Valley Paper Co.....Covers
Van Allens & Boughton.....151, 304, 479, 621, 770, 936
Van Bibber Roller Co..121, 284, 448, 603, 763, 917

Walker Bros.....483, 520, 666, 947
Walker, W. G., & Co.....153, 480
Wanner, A. F., & Co.....183, 279
Want Advertisements...118, 280, 445, 601, 760, 913
Wesel, F., Mfg. Co.....296, 444, 464-465, 628, 773
Whitfield Carbon Paper Works...121, 283, 448, 604, 763, 917
Western Publisher 672
Westinghouse Electric & Mfg. Co.....185, 613, 822
Wetter Numbering Machine Co..... 332
White, James, & Co.....32, 192, 360, 627, 789, 832
Whitlock Printing Press Mfg. Co..25, 297, 357, 610, 781, 813
Whitmore Mfg. Co.....158, 318, 484, 638, 798, 950
Wickersham Quoin Co..... 477
Wiley Mfg. Co.....117, 448, 603
Williamson-Haffner Engraving Co.....135, 299, 459, 620, 778, 821
Wilson Paper Box Machinery Co.....603, 763, 916
Wood & Nathan..... 444
Wright, Grant 283, 447, 603, 763, 916